Exam Questions AWS-Certified-Solutions-Architect-Professional

Amazon AWS Certified Solutions Architect Professional

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NEW QUESTION 1
An IAM user is trying to perform an action on an object belonging to some other root account's bucket. Which of the below mentioned options will AWS S3 not verify?

A. The object owner has provided access to the IAM user
B. Permission provided by the parent of the IAM user on the bucket
C. Permission provided by the bucket owner to the IAM user
D. Permission provided by the parent ofthe IAM user

Answer: B

Explanation:
If the IAM user is trying to perform some action on the object belonging to another AWS user's bucket, S3 will verify whether the owner of the IAM user has given sufficient permission to him. It also verifies the policy for the bucket as well as the policy defined by the object owner.
Reference:
http://docs.aws.amazon.com/AmazonS3/latest/dev/access-control-auth-workflow-object-operation.html

NEW QUESTION 2
An organization is planning to extend their data center by connecting their DC with the AWS VPC using the VPN gateway. The organization is setting up a dynamically routed VPN connection. Which of the below mentioned answers is not required to setup this configuration?

A. The type of customer gateway, such as Cisco ASA, Juniper J-Series, Juniper SSG, Yamaha.
B. Elastic IP ranges that the organization wants to advertise over the VPN connection to the VPC.
C. Internet-routable IP address (static) of the customer gateway's external interface.
D. Border Gateway Protocol (BGP) Autonomous System Number (ASN) of the customer gatewa

Answer: B

Explanation:
The Amazon Virtual Private Cloud (Amazon VPC) allows the user to define a virtual networking environment in a private, isolated section of the Amazon Web Services (AWS) cloud. The user has complete control over the virtual networking environment. The organization wants to extend their network into the cloud and also directly access the internet from their AWS VPC. Thus, the organization should setup a Virtual Private Cloud (VPC) with a public subnet and a private subnet, and a virtual private gateway to enable communication with their data center network over an IPsec VPN tunnel. To setup this configuration the organization needs to use the Amazon VPC with a VPN connection. The organization network administrator must designate a physical appliance as a customer gateway and configure it. The organization would need the below mentioned information to setup this configuration:
The type of customer gateway, such as Cisco ASA, Juniper J-Series, Juniper SSG, Yamaha Internet-routable IP address (static) of the customer gateway's external interface
Border Gateway Protocol (BGP) Autonomous System Number (ASN) of the customer gateway, if the organization is creating a dynamically routed VPN connection.
Internal network IP ranges that the user wants to advertise over the VPN connection to the VPC. Reference:
http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html

NEW QUESTION 3
An organization is planning to host an application on the AWS VPC. The organization wants dedicated instances. However, an AWS consultant advised the organization not to use dedicated instances with VPC as the design has a few limitations. Which of the below mentioned statements is not a limitation of dedicated instances with VPC?

A. All instances launched with this VPC will always be dedicated instances and the user cannot use a default tenancy model for them.
B. It does not support the AWS RDS with a dedicated tenancy VPC.
C. The user cannot use Reserved Instances with a dedicated tenancy model.
D. The EBS volume will not be on the same tenant hardware as the EC2 instance though the user has configured dedicated tenancy.

Answer: C

Explanation:
The Amazon Virtual Private Cloud (Amazon VPC) allows the user to define a virtual networking environment in a private, isolated section of the Amazon Web Services (AWS) cloud. The user has complete control over the virtual networking environment. Dedicated instances are Amazon EC2 instances that run in a Virtual Private Cloud (VPC) on hardware that is dedicated to a single customer. The client's dedicated instances are physically isolated at the host hardware level from instances that are not dedicated instances as well as from instances that belong to other AWS accounts.
All instances launched with the dedicated tenancy model of VPC will always be dedicated instances. Dedicated tenancy has a limitation that it may not support a few services, such as RDS. Even the EBS will not be on dedicated hardware. However the user can save some cost as well as reserve some capacity by using a Reserved Instance model with dedicated tenancy.
Reference: http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/dedicated-instance.html

NEW QUESTION 4
In Amazon IAM, what is the maximum length for a role name?

A. 128 characters
B. 512 characters
C. 64 characters
D. 256 characters

Answer: C

Explanation:
In Amazon IAM, the maximum length for a role name is 64 characters.
Reference: http://docs.aws.amazon.com/IANI/latest/UserGuide/LimitationsOnEntities.html

NEW QUESTION 5
Which of the following is the Amazon Resource Name (ARN) condition operator that can be used within an Identity and Access Management (IAM) policy to check the case-insensitive matching ofthe ARN?

A. ArnCheck
B. ArnMatch
C. ArnCase
D. ArnLike

Answer: D

Explanation:
Amazon Resource Name (ARN) condition operators let you construct Condition elements that restrict access based on comparing a key to an ARN. ArnLike, for instance, is a case-insensitive matching of the ARN. Each of the six colon-delimited components of the ARN is checked separately and each can include a multi-character match wildcard (*) or a single-character match wildcard (?).
Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/AccessPoIicyLanguage_EIementDescriptions.html

NEW QUESTION 6
The Principal element of an IAM policy refers to the specific entity that should be allowed or denied permission, whereas the translates to everyone except the specified entity.

A. NotPrincipa|
B. Vendor
C. Principal
D. Action

Answer: A

Explanation:
The element NotPrincipa| that is included within your IAM policy statements allows you to specify an exception to a list of principals to whom the access to a specific resource is either allowed or denied. Use the NotPrincipaI element to specify an exception to a list of principals. For example, you can deny access to all principals except the one named in the NotPrincipa| element.
Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/reference_poIicies_eIements.htmI#PrincipaI

NEW QUESTION 7
An organization is hosting a scalable web application using AWS. The organization has configured ELB and Auto Scaling to make the application scalable. Which of the below mentioned statements is not required to be followed for ELB when the application is planning to host a web application on VPC?

A. The ELB and all the instances should be in the same subnet.
B. Configure the security group rules and network ACLs to allow traffic to be routed between the subnets in the VPC.
C. The internet facing ELB should have a route table associated with the internet gateway.
D. The internet facing ELB should be only in a public subne

Answer: A

Explanation:
Amazon Virtual Private Cloud (Amazon VPC) allows the user to define a virtual networking environment in a private, isolated section of the Amazon Web Services (AWS) cloud. The user has complete control over the virtual networking environment. Within this virtual private cloud, the user can launch AWS resources, such as an ELB, and EC2 instances. There are two ELBs available with VPC: internet facing and internal (private) ELB. For the internet facing ELB it is required that the ELB should be in a public subnet. After the user creates the public subnet, he should ensure to associate the route table of the public subnet with the internet gateway to enable the load balancer in the subnet to connect with the internet. The ELB and instances can be in a separate subnet. However, to allow communication between the instance and the
ELB the user must configure the security group rules and network ACLs to allow traffic to be routed between the subnets in his VPC.
Reference: http://docs.aws.amazon.com/EIasticLoadBaIancing/latest/DeveIoperGuide/CreateVPCForELB.htmI

NEW QUESTION 8
A user has configured EBS volume with PIOPS. The user is not experiencing the optimal throughput. Which of the following could not be factor affecting I/O performance of that EBS volume?

A. EBS bandwidth of dedicated instance exceeding the PIOPS
B. EBS volume size
C. EC2 bandwidth
D. Instance type is not EBS optimized

Answer: B

Explanation:
If the user is not experiencing the expected IOPS or throughput that is provisioned, ensure that the EC2 bandwidth is not the limiting factor, the instance is EBS-optimized (or include 10 Gigabit network connectMty) and the instance type EBS dedicated bandwidth exceeds the IOPS more than he has provisioned.
Reference: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-io-characteristics.html

NEW QUESTION 9
How many cg1.4xIarge on-demand instances can a user run in one region without taking any limit increase approval from AWS?

A. 20
B. 2
C. 5
D. 10

Answer: B

Explanation:
Generally AWS EC2 allows running 20 on-demand instances and 100 spot instances at a time. This limit can be increased by requesting at https://aws.amazon.com/contact-us/ec2-request. Excluding certain types of instances, the limit is lower than mentioned above. For cg1.4xIarge, the user can run only 2
on-demand instances at a time.
Reference: http://docs.aws.amazon.com/generaI/latest/gr/aws_service_Iimits.htmI#|imits_ec2

NEW QUESTION 10
True or False: Amazon EIastiCache supports the Redis key-value store.

A. True, EIastiCache supports the Redis key-value store, but with limited functionalities.
B. False, EIastiCache does not support the Redis key-value store.
C. True, EIastiCache supports the Redis key-value store.
D. False, EIastiCache supports the Redis key-value store only if you are in a VPC environmen

Answer: C

Explanation:
This is true. EIastiCache supports two open-source in-memory caching engines: 1. Memcached - a widely adopted memory object caching system. EIastiCache is protocol compliant with Memcached, so popular tools that you use today with existing Nlemcached environments will work seamlessly with the service. 2.
Redis - a popular open-source in-memory key-value store that supports data structures such as sorted sets and lists. EIastiCache supports Master / Slave replication and Multi-AZ which can be used to achieve cross AZ redundancy.
Reference: https://aws.amazon.com/eIasticache/

NEW QUESTION 10
An organization is setting up an application on AWS to have both High Availabilty (HA) and Disaster Recovery (DR). The organization wants to have both Recovery point objective (RPO) and Recovery time objective (RTO) of 10 minutes. Which of the below mentioned service configurations does not help the organization achieve the said RPO and RTO?

A. Take a snapshot of the data every 10 minutes and copy it to the other region.
B. Use an elastic IP to assign to a running instance and use Route 53 to map the user's domain with that IP.
C. Create ELB with multi- region routing to allow automated failover when required.
D. Use an AMI copy to keep the AMI available in other region

Answer: C

Explanation:
AWS provides an on demand, scalable infrastructure. AWS EC2 allows the user to launch On-Demand instances and the organization should create an AMI of the running instance. Copy the AMI to another region to enable Disaster Recovery (DR) in case of region failure. The organization should also use EBS for persistent storage and take a snapshot every 10 minutes to meet Recovery time objective (RTO). They should also setup an elastic IP and use it with Route 53 to route requests to the same IP.
When one of the instances fails the organization can launch new instances and assign the same EIP to a new instance to achieve High Availability (HA). The ELB works only for a particular region and does not route requests across regions.
Reference: http://d36cz9buwru1tt.c|oudfront.net/AWS_Disaster_Recovery.pdf

NEW QUESTION 13
An organization is setting up a backup and restore system in AWS of their in premise system. The organization needs High AvaiIabiIity(HA) and Disaster Recovery(DR) but is okay to have a longer recovery time to save costs. Which of the below mentioned setup options helps achieve the objective of cost saving as well as DR in the most effective way?

A. Setup pre- configured sewers and create AMIs.. Use EIP and Route 53 to quickly switch over to AWS from in premise.
B. Setup the backup data on S3 and transfer data to S3 regularly using the storage gateway.
C. Setup a small instance with AutoScaIing; in case of DR start diverting all the load to AWS from on premise.
D. Replicate on premise DB to EC2 at regular intervals and setup a scenario similar to the pilot ligh

Answer: B

Explanation:
AWS has many solutions for Disaster Recovery(DR) and High AvaiIabiIity(HA). When the organization wants to have HA and DR but are okay to have a longer recovery time they should select the option backup and restore with S3. The data can be sent to S3 using either Direct Connect, Storage Gateway or over the internet.
The EC2 instance will pick the data from the S3 bucket when started and setup the environment. This process takes longer but is very cost effective due to the low pricing of S3. In all the other options, the EC2 instance might be running or there will be AMI storage costs.
Thus, it will be a costlier option. In this scenario the organization should plan appropriate tools to take a backup, plan the retention policy for data and setup security of the data.
Reference: http://d36cz9buwru1tt.cIoudfront.net/AWS_Disaster_Recovery.pdf

NEW QUESTION 18
By default, what is the maximum number of Cache Nodes you can run in Amazon EIastiCache?

A. 20
B. 50
C. 100
D. 200

Answer: A

Explanation:
In Amazon ElastiCache, you can run a maximum of 20 Cache Nodes. Reference: http://aws.amazon.com/e|asticache/faqs/

NEW QUESTION 20
The user has provisioned the PIOPS volume with an EBS optimized instance. Generally speaking, in which I/O chunk should the bandwidth experienced by the user be measured by AWS?

A. 128 KB
B. 256 KB
C. 64 KB
D. 32 KB

Answer: B

Explanation:
IOPS are input/output operations per second. Amazon EBS measures each I/O operation per second (that is 256 KB or smaller) as one IOPS.
Reference: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-io-characteristics.html

NEW QUESTION 21
Which of the following cache engines does Amazon ElastiCache support?

A. Amazon ElastiCache supports Memcached and Redis.
B. Amazon ElastiCache supports Redis and WinCache.
C. Amazon ElastiCache supports Memcached and Hazelcast.
D. Amazon ElastiCache supports Memcached onl

Answer: A

Explanation:
The cache engines supported by Amazon ElastiCache are Memcached and Redis.
Reference: http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/SelectEngine.html

NEW QUESTION 25
You have been given the task to define multiple AWS Data Pipeline schedules for different actMties in the same pipeline. Which of the following would successfully accomplish this task?

A. Creating multiple pipeline definition files
B. Defining multiple pipeline definitions in your schedule objects file and associating the desired schedule to the correct actMty via its schedule field
C. Defining multiple schedule objects in your pipeline definition file and associating the desired schedule to the correct actMty via its schedule field
D. Defining multiple schedule objects in the schedule field

Answer: C

Explanation:
To define multiple schedules for different actMties in the same pipeline, in AWS Data Pipeline, you should define multiple schedule objects in your pipeline definition file and associate the desired schedule to the correct actMty via its schedule field. As an example of this, it could allow you to define a pipeline in which log files are stored in Amazon S3 each hour to drive generation of an aggregate report once a day. Reference: https://aws.amazon.com/datapipeline/faqs/

NEW QUESTION 30
In Amazon SNS, to send push notifications to mobile devices using Amazon SNS and ADM, you need to obtain the following, except:

A. Device token
B. Client ID
C. Registration ID
D. Client secret

Answer: A

Explanation:
To send push notifications to mobile devices using Amazon SNS and ADM, you need to obtain the following: Registration ID and Client secret.
Reference: http://docs.aws.amazon.com/sns/latest/dg/SNSMobi|ePushPrereq.html

NEW QUESTION 33
An EC2 instance that performs source/destination checks by default is launched in a private VPC subnet. All security, NACL, and routing definitions are configured as expected. A custom NAT instance is launched.
Which of the following must be done for the custom NAT instance to work?

A. The source/destination checks should be disabled on the NAT instance.
B. The NAT instance should be launched in public subnet.
C. The NAT instance should be configured with a public IP address.
D. The NAT instance should be configured with an elastic IP addres

Answer: A

Explanation:
Each EC2 instance performs source/destination checks by default. This means that the instance must be the source or destination of any traffic it sends or receives. However, a NAT instance must be able to send and receive traffic when the source or destination is not itself. Therefore, you must disable

source/destination checks on the NAT instance.
Reference:
http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_NAT_|nstance.htm|#EIP_Disab|e_Src DestCheck

NEW QUESTION 34
An organization has created multiple components of a single application for compartmentalization. Currently all the components are hosted on a single EC2 instance. Due to security reasons the organization wants to implement two separate SSLs for the separate modules although it is already using VPC. How can the organization achieve this with a single instance?

A. You have to launch two instances each in a separate subnet and allow VPC peering for a single IP.
B. Create a VPC instance which will have multiple network interfaces with multiple elastic IP addresses.
C. Create a VPC instance which will have both the ACL and the security group attached to it and have separate rules for each IP address.
D. Create a VPC instance which will have multiple subnets attached to it and each will have a separate IP address.

Answer: B

Explanation:
A Virtual Private Cloud (VPC) is a virtual network dedicated to the user’s AWS account. It enables the user to launch AWS resources into a virtual network that the user has defined. With VPC the user can specify multiple private IP addresses for his instances.
The number of network interfaces and private IP addresses that a user can specify for an instance depends on the instance type. With each network interface the organization can assign an EIP. This scenario helps when the user wants to host multiple websites on a single EC2 instance by using multiple SSL certificates on a single server and associating each certificate with a specific EIP address. It also helps in scenarios for operating network appliances, such as firewalls or load balancers that have multiple private IP addresses for each network interface.
Reference: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/NlultiplelP.htmI

NEW QUESTION 38
How does in-memory caching improve the performance of applications in E|astiCache?

A. It improves application performance by deleting the requests that do not contain frequently accessed data.
B. It improves application performance by implementing good database indexing strategies.
C. It improves application performance by using a part of instance RAM for caching important data.
D. It improves application performance by storing critical pieces of data in memory for low-latency acces

Answer: D

Explanation:
In Amazon EIastiCache, in-memory caching improves application performance by storing critical pieces of data in memory for low-latency access. Cached information may include the results of I/O-intensive database queries or the results of computationally intensive calculations.
Reference: http://aws.amazon.com/elasticache/faqs/#g4

NEW QUESTION 39
An organization is setting up a multi-site solution where the application runs on premise as well as on AWS to achieve the minimum recovery time objective(RTO). Which of the below mentioned configurations will not meet the requirements of the multi-site solution scenario?

A. Configure data replication based on RTO.
B. Keep an application running on premise as well as in AWS with full capacity.
C. Setup a single DB instance which will be accessed by both sites.
D. Setup a weighted DNS service like Route 53 to route traffic across site

Answer: C

Explanation:
AWS has many solutions for DR(Disaster recovery) and HA(High Availability). When the organization wants to have HA and DR with multi-site solution, it should setup two sites: one on premise and the other on AWS with full capacity. The organization should setup a weighted DNS service which can route traffic to both sites based on the weightage. When one of the sites fails it can route the entire load to another site. The organization would have minimal RTO in this scenario. If the organization setups a single DB instance, it will not work well in failover.
Instead they should have two separate DBs in each site and setup data replication based on RTO(recovery time objective)of the organization.
Reference: http://d36cz9buwru1tt.cIoudfront.net/AWS_Disaster_Recovery.pdf

NEW QUESTION 42
Which of the following is true of an instance profile when an IAM role is created using the console?

A. The instance profile uses a different name.
B. The console gives the instance profile the same name as the role it corresponds to.
C. The instance profile should be created manually by a user.
D. The console creates the role and instance profile as separate actions.

Answer: B

Explanation:
Amazon EC2 uses an instance profile as a container for an IAM role. When you create an IAM role using the console, the console creates an instance profile automatically and gives it the same name as the role it corresponds to. If you use the AWS CLI, API, or an AWS SDK to create a role, you create the role and instance profile as separate actions, and you might give them different names.
Reference:
http://docs.aws.amazon.com/IAM/latest/UserGuide/id_roIes_use_switch-role-ec2_instance-profiles.html

NEW QUESTION 45
When using string conditions within IAM, short versions of the available comparators can be used instead of the more verbose ones.

streqi is the short version of the string condition.

A. StringEqualsIgnoreCase
B. StringNotEqualsIgnoreCase
C. StringLikeStringEqua|s
D. StringNotEqua|s

Answer: A

Explanation:
When using string conditions within IANI, short versions of the available comparators can be used instead of the more verbose versions. For instance, streqi is the short version of StringEqua|s|gnoreCase that checks for the exact match between two strings ignoring their case.
Reference: http://awsdocs.s3.amazonaws.com/SNS/20100331/sns-gsg-2010-03-31.pdf

NEW QUESTION 46
With respect to AWS Lambda permissions model, at the time you create a Lambda function, you specify an IAM role that AWS Lambda can assume to execute your Lambda function on your behalf. This role is also referred to as the role.

A. configuration
B. execution
C. delegation
D. dependency

Answer: B

Explanation:
Regardless of how your Lambda function is invoked, AWS Lambda always executes the function. At the time you create a Lambda function, you specify an IAM role that AWS Lambda can assume to execute your Lambda function on your behalf. This role is also referred to as the execution role.
Reference: http://docs.aws.amazon.com/Iambda/latest/dg/lambda-dg.pdf

NEW QUESTION 47
Regarding Identity and Access Management (IAM), Which type of special account belonging to your application allows your code to access Google services programmatically?

A. Service account
B. Simple Key
C. OAuth
D. Code account

Answer: A

Explanation:
A service account is a special Google account that can be used by applications to access Google
services programmatically. This account belongs to your application or a virtual machine (VM), instead of to an indMdual end user. Your application uses the service account to call the Google API of a service, so that the users aren't directly involved.
A service account can have zero or more pairs of service account keys, which are used to authenticate to Google. A service account key is a public/private keypair generated by Google. Google retains the public
key, while the user is given the private key.
Reference: https://cloud.google.com/iam/docs/service-accounts

NEW QUESTION 49
IAM users do not have permission to create Temporary Security Credentials for federated users and roles by default. In contrast, IAM users can call without the need of any special permissions

A. GetSessionName
B. GetFederationToken
C. GetSessionToken
D. GetFederationName

Answer: C

Explanation:
Currently the STS API command GetSessionToken is available to every IAM user in your account without previous permission. In contrast, the GetFederationToken command is restricted and explicit permissions need to be granted so a user can issue calls to this particular Action
Reference: http://docs.aws.amazon.com/STS/latest/UsingSTS/STSPermission.htmI

NEW QUESTION 52
Can a Direct Connect link be connected directly to the Internet?

A. Yes, this can be done if you pay for it.
B. Yes, this can be done only for certain regions.
C. Yes
D. No

Answer: D

Explanation:
AWS Direct Connect is a network service that provides an alternative to using the Internet to utilize AWS cloud service. Hence, a Direct Connect link cannot be

connected to the Internet directly.
Reference: http://aws.amazon.com/directconnect/faqs/

NEW QUESTION 56
A user has created a VPC with CIDR 20.0.0.0/16. The user has created one subnet with CIDR 20.0.0.0/16 in this VPC. The user is trying to create another subnet with the same VPC for CIDR 20.0.0.1/24. What will happen in this scenario?

A. The VPC will modify the first subnet CIDR automatically to allow the second subnet IP range
B. The second subnet will be created
C. It will throw a CIDR overlaps error
D. It is not possible to create a subnet with the same CIDR as VPC

Answer: C

Explanation:
A Virtual Private Cloud (VPC) is a virtual network dedicated to the user’s AWS account. A user can create a subnet with VPC and launch instances inside that subnet. The user can create a subnet with the same size of VPC. However, he cannot create any other subnet since the CIDR of the second subnet will conflict with the first subnet.
Reference: http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Subnets.html

NEW QUESTION 59
In Amazon Redshift, how many slices does a dw2.8xIarge node have?

A. 16
B. 8
C. 32
D. 2

Answer: C

Explanation:
The disk storage for a compute node in Amazon Redshift is dMded into a number of slices, equal to the number of processor cores on the node. For example, each DW1.XL compute node has two slices, and each DW2.8XL compute node has 32 slices.
Reference: http://docs.aws.amazon.com/redshift/latest/dg/t_Distributing_data.htmI

NEW QUESTION 60
Identify a true statement about using an IAM role to grant permissions to applications running on Amazon EC2 instances.

A. When AWS credentials are rotated, developers have to update only the root Amazon EC2 instance that uses their credentials.
B. When AWS credentials are rotated, developers have to update only the Amazon EC2 instance on which the password policy was applied and which uses their credentials.
C. When AWS credentials are rotated, you don't have to manage credentials and you don't have to worry about long-term security risks.
D. When AWS credentials are rotated, you must manage credentials and you should consider precautions for long-term security risks.

Answer: C

Explanation:
Using IAM roles to grant permissions to applications that run on EC2 instances requires a bit of extra configuration. Because role credentials are temporary and rotated automatically, you don't have to manage credentials, and you don't have to worry about long-term security risks.
Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/role-usecase-ec2app.htmI

NEW QUESTION 65
In the context of IAM roles for Amazon EC2, which of the following NOT true about delegating permission to make API requests?

A. You cannot create an IAM role.
B. You can have the application retrieve a set of temporary credentials and use them.
C. You can specify the role when you launch your instances.
D. You can define which accounts or AWS services can assume the rol

Answer: A

Explanation:
Amazon designed IANI roles so that your applications can securely make API requests from your instances, without requiring you to manage the security credentials that the applications use. Instead of creating and distributing your AWS credentials, you can delegate permission to make API requests using IAM roles as follows: Create an IAM role. Define which accounts or AWS services can assume the role. Define which API actions and resources the application can use after assuming the role. Specify the role when you launch your instances. Have the application retrieve a set of temporary credentials and use them.
Reference: http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/iam-roles-for-amazon-ec2.html

NEW QUESTION 69
Who is responsible for modifying the routing tables and networking ACLs in a VPC to ensure that a DB instance is reachable from other instances in the VPC?

A. AWS administrators
B. The owner of the AWS account
C. Amazon
D. The DB engine vendor

Answer: B

Explanation:
You are in charge of configuring the routing tables of your VPC as well as the network ACLs rules needed to make your DB instances accessible from all the instances of your VPC that need to communicate with it.
Reference: http://aws.amazon.com/rds/faqs/

NEW QUESTION 72
A government client needs you to set up secure cryptographic key storage for some of their extremely confidential data. You decide that the AWS CloudHSM is the best service for this. However, there seem to be a few pre-requisites before this can happen, one of those being a security group that has certain ports open.
Which of the following is correct in regards to those security groups?

A. A security group that has no ports open to your network.
B. A security group that has only port 3389 (for RDP) open to your network.
C. A security group that has only port 22 (for SSH) open to your network.
D. A security group that has port 22 (for SSH) or port 3389 (for RDP) open to your networ

Answer: D

Explanation:
AWS CloudHSM provides secure cryptographic key storage to customers by making hardware security modules (HSMs) available in the AWS cloud.
AWS C|oudHSM requires the following environment before an HSM appliance can be provisioned. A virtual private cloud (VPC) in the region where you want the AWS CloudHSM service.
One private subnet (a subnet with no Internet gateway) in the VPC. The HSM appliance is provisioned into this subnet.
One public subnet (a subnet with an Internet gateway attached). The control instances are attached to this subnet.
An AWS Identity and Access Management (IAM) role that delegates access to your AWS resources to AWS CloudHSM.
An EC2 instance, in the same VPC as the HSM appliance, that has the SafeNet client software installed. This instance is referred to as the control instance and is used to connect to and manage the HSM appliance.
A security group that has port 22 (for SSH) or port 3389 (for RDP) open to your network. This security group is attached to your control instances so you can access them remotely.

NEW QUESTION 73
What is the network performance offered by the c4.8xlarge instance in Amazon EC2?

A. Very High but variable
B. 20 Gigabit
C. 5 Gigabit
D. 10 Gigabit

Answer: D

Explanation:
Networking performance offered by the c4.8xlarge instance is 10 Gigabit. Reference: http://aws.amazon.com/ec2/instance-types/

NEW QUESTION 74
An organization is setting up a web application with the JEE stack. The application uses the JBoss app server and |V|ySQL DB. The application has a logging module which logs all the actMties whenever a business function of the JEE application is called. The logging actMty takes some time due to the large size of the log file. If the application wants to setup a scalable infrastructure which of the below mentioned options will help achieve this setup?

A. Host the log files on EBS with PIOPS which will have higher I/O.
B. Host logging and the app server on separate sewers such that they are both in the same zone.
C. Host logging and the app server on the same instance so that the network latency will be shorter.
D. Create a separate module for logging and using SQS compartmentalize the module such that all calls to logging are asynchronous.

Answer: D

Explanation:
The organization can always launch multiple EC2 instances in the same region across multiple AZs for HA and DR. The AWS architecture practice recommends compartmentalizing the functionality such that
they can both run in parallel without affecting the performance of the main application. In this scenario logging takes a longer time due to the large size of the log file. Thus, it is recommended that the organization should separate them out and make separate modules and make asynchronous calls among them. This way the application can scale as per the requirement and the performance will not bear the impact of logging.
Reference: http://www.awsarchitectureblog.com/2014/03/aws-and-compartmentalization.html

NEW QUESTION 77
A user has set the IAM policy where it denies all requests if a request is not from IP 10.10.10.1/32. The other policy says allow all requests between 5 PM to 7 PM. What will happen when a user is requesting access from IP 55.109.10.12/32 at 6 PM?

A. It will deny access
B. It is not possible to set a policy based on the time or IP
C. IAM will throw an error for policy conflict
D. It will allow access

Answer: A

Explanation:
When a request is made, the AWS IAM policy decides whether a given request should be allowed or denied. The evaluation logic follows these rules:
By default, all requests are denied. (In general, requests made using the account credentials for resources in the account are always allowed.)
An explicit allow policy overrides this default.
An explicit deny policy overrides any allows.
In this case since there are explicit deny and explicit allow statements. Thus, the request will be denied since deny overrides allow.

Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/AccessPoIicyLanguage_EvaIuationLogic.htmI

NEW QUESTION 78
Which of the following AWS services can be used to define alarms to trigger on a certain actMty, such as actMty success, failure, or delay in AWS Data Pipeline?

A. Amazon SES
B. Amazon CodeDepIoy
C. Amazon SNS
D. Amazon SQS

Answer: C

Explanation:
In AWS Data Pipeline, you can define Amazon SNS alarms to trigger on actMties such as success, failure, or delay by creating an alarm object and referencing it in the onFaiI, onSuccess, or onLate slots of the actMty object.
Reference: https://aws.amazon.com/datapipe|ine/faqs/

NEW QUESTION 81
Which of the following components of AWS Data Pipeline polls for tasks and then performs those tasks?

A. Pipeline Definition
B. Task Runner
C. Amazon Elastic MapReduce (EMR)
D. AWS Direct Connect

Answer: B

Explanation:
Task Runner polls for tasks and then performs those tasks.
Reference: http://docs.aws.amazon.com/datapipeline/latest/DeveIoperGuide/what-is-datapipeline.htmI

NEW QUESTION 83
An organization is setting up their website on AWS. The organization is working on various security measures to be performed on the AWS EC2 instances. Which of the below mentioned security mechanisms will not help the organization to avoid future data leaks and identify security weaknesses?

A. Run penetration testing on AWS with prior approval from Amazon.
B. Perform SQL injection for application testing.
C. Perform a Code Check for any memory leaks.
D. Perform a hardening test on the AWS instanc

Answer: C

Explanation:
AWS security follows the shared security model where the user is as much responsible as Amazon. Since Amazon is a public cloud it is bound to be targeted by hackers. If an organization is planning to host their application on AWS EC2, they should perform the below mentioned security checks as a measure to find any security weakness/data leaks:
Perform penetration testing as performed by attackers to find any vulnerability. The organization must take an approval from AWS before performing penetration testing
Perform hardening testing to find if there are any unnecessary ports open Perform SQL injection to find any DB security issues
The code memory checks are generally useful when the organization wants to improve the application performance.
Reference: http://aws.amazon.com/security/penetration-testing/

NEW QUESTION 86
In Amazon EIastiCache, the default cache port is:

A. for Memcached 11210 and for Redis 6380.
B. for Memcached 11211 and for Redis 6380.
C. for Memcached 11210 and for Redis 6379.
D. for Memcached 11211 and for Redis 6379.

Answer: D

Explanation:
In Amazon EIastiCache, you can specify a new port number for your cache cluster, which by default is 11211 for Memcached and 6379 for Redis.
Reference: http://docs.aws.amazon.com/AmazonEIastiCache/Iatest/UserGuide/GettingStarted.AuthorizeAccess.htm|

NEW QUESTION 90
A user has created a VPC with public and private subnets using the VPC wizard. The VPC has CIDR 20.0.0.0/16. The private subnet uses CIDR 20.0.0.0/24 . The NAT instance ID is i-a12345. Which of the below mentioned entries are required in the main route table attached with the private subnet to allow instances to connect with the internet?

A. Destination: 20.0.0.0/0 and Target: 80
B. Destination: 20.0.0.0/0 and Target: i-a12345
C. Destination: 20.0.0.0/24 and Target: i-a12345
D. Destination: 0.0.0.0/0 and Target: i-a12345

Answer: D

Explanation:
A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet, the instances in the public subnet can receive inbound traffic directly from the Internet, whereas the instances in the private subnet cannot. If these subnets are created with Wizard, AWS will create two route tables and attach to the subnets. The main route table will have the entry "Destination: 0.0.0.0/0 and Target: i-a12345", which allows all the instances in the private subnet to connect to the internet using NAT.
Reference: http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_Scenario2.html

NEW QUESTION 95
Which of the following cannot be used to manage Amazon ElastiCache and perform administrative tasks?

A. AWS software development kits (SDKs)
B. Amazon S3
C. ElastiCache command line interface (CLI)
D. AWS CloudWatch

Answer: D

Explanation:
CloudWatch is a monitoring tool and doesn't give users access to manage Amazon ElastiCache. Reference:
http://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/Whatls.Nlanaging.html

NEW QUESTION 96
An organization, which has the AWS account ID as Q99988887777, has created 50 IAM users. All the users are added to the same group examkiller. If the organization has enabled that each IAM user can login with the AWS console, which AWS login URL will the IAM users use??

A. https://Q99988887777.aws.amazon.com/examkiller/
B. https://signin.aws.amazon.com/examki|ler/
C. https://examkiller.signin.aws.amazon.com/999988887777/console/
D. https://999988887777.signin.aws.amazon.com/console/

Answer: D

Explanation:
AWS Identity and Access Management is a web service which allows organizations to manage users and user permissions for various AWS services. Once the organization has created the IAM users, they will have a separate AWS console URL to login to the AWS console. The console login URL for the IAM user will be https:// AWS_Account_ID.signin.aws.amazon.com/console/. It uses only the AWS account ID and does not depend on the group or user ID.
Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/AccountAlias.html

NEW QUESTION 99
To serve Web traffic for a popular product your chief financial officer and IT director have purchased 10 ml large heavy utilization Reserved Instances (Rls) evenly spread across two availability zones: Route 53 is used to deliver the traffic to an Elastic Load Balancer (ELB). After several months, the product grows even more popular and you need additional capacity As a result, your company purchases two C3.2xlarge medium utilization Ris You register the two c3 2xlarge instances with your ELB and quickly find that the ml large instances are at 100% of capacity and the c3 2xlarge instances have significant capacity that's
unused Which option is the most cost effective and uses EC2 capacity most effectively?

A. Configure Autoscaling group and Launch Configuration with ELB to add up to 10 more on-demand m1 .|arge instances when triggered by Cloudwatc
B. Shut off c3.2x|arge instances.
C. Configure ELB with two c3.2xlarge instances and use on-demand Autoscaling group for up to two additional c3.2x|arge instance
D. Shut off m1 .large instances.
E. Route traffic to EC2 m1 .large and c3.2xlarge instances directly using Route 53 latency based routing and health check
F. Shut off ELB.
G. Use a separate ELB for each instance type and distribute load to ELBs with Route 53 weighted round robin.

Answer: B

NEW QUESTION 103
You have deployed a web application targeting a global audience across multiple AWS Regions under the domain name.example.com. You decide to use Route53 Latency-Based Routing to serve web requests to users from the region closest to the user. To provide business continuity in the event of server downtime you configure weighted record sets associated with two web servers in separate Availability Zones per region. Dunning a DR test you notice that when you disable all web sewers in one of the regions Route53 does not automatically direct all users to the other region. What could be happening? (Choose 2 answers)

A. Latency resource record sets cannot be used in combination with weighted resource record sets.
B. You did not setup an HTTP health check to one or more of the weighted resource record sets associated with me disabled web sewers.
C. The value of the weight associated with the latency alias resource record set in the region with the disabled sewers is higher than the weight for the other region.
D. One of the two working web sewers in the other region did not pass its HTTP health check.
E. You did not set "Evaluate Target Health" to "Yes" on the latency alias resource record set associated with example com in the region where you disabled the servers.

Answer: BE

NEW QUESTION 104
A read only news reporting site with a combined web and application tier and a database tier that receives large and unpredictable traffic demands must be able to respond to these traffic fluctuations automatically. What AWS services should be used meet these requirements?

A. Stateless instances for the web and application tier synchronized using ElastiCache Memcached in an autoscaimg group monitored with CloudWatch and RDS with read replicas.
B. Stateful instances for the web and application tier in an autoscaling group monitored with CloudWatch and RDS with read replicas.

C. Stateful instances for the web and application tier in an autoscaling group monitored with CloudWatc
D. And multi-AZ RDS.
E. Stateless instances for the web and application tier synchronized using ElastiCache Memcached in an autoscaling group monitored with CloudWatch and multi-AZ RDS.

Answer: A

NEW QUESTION 105
You are the new IT architect in a company that operates a mobile sleep tracking application.
When activated at night, the mobile app is sending collected data points of 1 kilobyte every 5 minutes to your backend.
The backend takes care of authenticating the user and writing the data points into an Amazon DynamoDB table.
Every morning, you scan the table to extract and aggregate last night's data on a per user basis, and store the results in Amazon S3. Users are notified via Amazon SNS mobile push notifications that new data is available, which is parsed and visualized by the mobile app.
Currently you have around 100k users who are mostly based out of North America. You have been tasked to optimize the architecture of the backend system to lower cost. What would you recommend? Choose 2 answers

A. Have the mobile app access Amazon DynamoDB directly Instead of JSON files stored on Amazon S3.
B. Write data directly into an Amazon Redshift cluster replacing both Amazon DynamoDB and Amazon S3.
C. Introduce an Amazon SQS queue to buffer writes to the Amazon DynamoDB table and reduce provisioned write throughput.
D. Introduce Amazon Elasticache to cache reads from the Amazon DynamoDB table and reduce provisioned read throughput.
E. Create a new Amazon DynamoDB table each day and drop the one for the previous day after its data is on Amazon S3.

Answer: AD

NEW QUESTION 108
A large real-estate brokerage is exploring the option o(adding a cost-effective location based alert to their existing mobile application The application backend infrastructure currently runs on AWS Users who opt in to this service will receive alerts on their mobile device regarding real-estate otters in proximity to their location. For the alerts to be relevant delivery time needs to be in the low minute count the existing mobile app has 5 million users across the US. Which one of the following architectural suggestions would you make to the customer?

A. The mobile application will submit its location to a web service endpoint utilizing Elastic Load Balancing and EC2 instances: DynamoDB will be used to store and retrieve relevant offers EC2 instances will communicate with mobile earners/device providers to push alerts back to mobile application.
B. Use AWS DirectConnect or VPN to establish connectMty with mobile carriers EC2 instances will receive the mobile applications ' location through carrier connection: RDS will be used to store and relevant offers EC2 instances will communicate with mobile carriers to push alerts back to the mobile application
C. The mobile application will send device location using SQ
D. EC2 instances will retrieve the relevant others from DynamoDB AWS Mobile Push will be used to send offers to the mobile application
E. The mobile application will send device location using AWS Nlobile Push EC2 instances will retrieve the relevant offers from DynamoDB EC2 instances will communicate with mobile carriers/device providers to push alerts back to the mobile application.

Answer: A

NEW QUESTION 111
Your company has HQ in Tokyo and branch offices all over the world and is using a logistics software with a multi-regional deployment on AWS in Japan, Europe and US

A. The logistic software has a 3-tierarchitecture and currently uses MySQL 5.6 for data persistenc
B. Each region has deployed its own database In the HQ region you run an hourly batch process reading data from every region to compute cross-regional reports that are sent by email to all offices this batch process must be completed as fast as possible to quickly optimize logistics how do you build the database architecture in order to meet the requirements'?
C. For each regional deployment, use RDS MySQL with a master in the region and a read replica in theHQ region
D. For each regional deployment, use NIySQL on EC2 with a master in the region and send hourly EBS snapshots to the HQ region
E. For each regional deployment, use RDS MySQL with a master in the region and send hourly RDS snapshots to the HQ region
F. For each regional deployment, use MySQL on EC2 with a master in the region and use S3 to copy data files hourly to the HQ region
G. Use Direct Connect to connect all regional MySQL deployments to the HQ region and reduce network latency for the batch process

Answer: A

NEW QUESTION 113
You are responsible for a legacy web application whose server environment is approaching end of life You would like to migrate this application to AWS as quickly as possible, since the application environment currently has the following limitations:
The VM's single 10GB VNIDK is almost full; Nle virtual network interface still uses the 10IV|bps driver, which leaves your 100Mbps WAN connection completely underutilized;
It is currently running on a highly customized. Windows VM within a VMware environment; You do not have me installation media;
This is a mission critical application with an RTO (Recovery Time Objective) of 8 hours. RPO (Recovery Point Objective) of 1 hour. How could you best migrate this application to AWS while meeting your business continuity requirements?

A. Use the EC2 VM Import Connector for vCenter to import the VNI into EC2.
B. Use Import/Export to import the VNI as an ESS snapshot and attach to EC2.
C. Use S3 to create a backup of the VM and restore the data into EC2.
D. Use me ec2-bundle-instance API to Import an Image of the VNI into EC2

Answer: A

NEW QUESTION 115
You are designing a social media site and are considering how to mitigate distributed denial-of-service (DDoS) attacks. Which of the below are viable mitigation techniques? (Choose 3 answers)

A. Add multiple elastic network interfaces (ENIs) to each EC2 instance to increase the network bandwidth.

B. Use dedicated instances to ensure that each instance has the maximum performance possible.
C. Use an Amazon C|oudFront distribution for both static and dynamic content.
D. Use an Elastic Load Balancer with auto scaling groups at the we
E. App and Amazon Relational Database Service (RDS) tiers
F. Add alert Amazon CloudWatch to look for high Network in and CPU utilization.
G. Create processes and capabilities to quickly add and remove rules to the instance OS firewal

Answer: CEF

NEW QUESTION 116
A customer has established an AWS Direct Connect connection to AWS. The link is up and routes are being advertised from the customer's end, however the customer is unable to connect from EC2 instances inside its VPC to servers residing in its datacenter.
Which of the following options provide a viable solution to remedy this situation? (Choose 2 answers)

A. Add a route to the route table with an IPsec VPN connection as the target.
B. Enable route propagation to the virtual pinnate gateway (VGW).
C. Enable route propagation to the customer gateway (CGW).
D. Modify the route table of all Instances using the 'route' command.
E. Modify the Instances VPC subnet route table by adding a route back to the customer's on-premises environment.

Answer: AC

NEW QUESTION 120
You are running a news website in the eu-west-1 region that updates every 15 minutes. The website has a world-wide audience it uses an Auto Scaling group behind an Elastic Load Balancer and an Amazon
RDS database Static content resides on Amazon S3, and is distributed through Amazon CloudFront. Your Auto Scaling group is set to trigger a scale up event at 60% CPU utilization, you use an Amazon RDSextra large DB instance with 10.000 Provisioned IOPS its CPU utilization is around 80%. While freeable memory is in the 2 GB range.
Web analytics reports show that the average load time of your web pages is around 1.5 to 2 seconds, but your SEO consultant wants to bring down the average load time to under 0.5 seconds.
How would you improve page load times for your users? (Choose 3 answers)

A. Lower the scale up trigger of your Auto Scaling group to 30% so it scales more aggressively.
B. Add an Amazon ElastiCache caching layer to your application for storing sessions and frequent DB quenes
C. Configure Amazon CloudFront dynamic content support to enable caching of re-usable content from your site
D. Switch the Amazon RDS database to the high memory extra large Instance type
E. Set up a second installation in another region, and use the Amazon Route 53 latency-based routing feature to select the right region.

Answer: ABD

NEW QUESTION 121
Your company previously configured a heavily used, dynamically routed VPN connection between your on-premises data center and AWS. You recently provisioned a DirectConnect connection and would like to start using the new connection. After configuring DirectConnect settings in the AWS Console, which of the following options win provide the most seamless transition for your users?

A. Delete your existing VPN connection to avoid routing loops configure your DirectConnect router with the appropriate settings and verity network traffic is leveraging DirectConnect.
B. Configure your DirectConnect router with a higher BGP priority man your VPN router, verify network traffic is leveraging Directconnect and then delete your existing VPN connection.
C. Update your VPC route tables to point to the DirectConnect connection configure your DirectConnect router with the appropriate settings verify network traffic is leveraging DirectConnect and then delete the VPN connection.
D. Configure your DirectConnect router, update your VPC route tables to point to the DirectConnect connection, configure your VPN connection with a higher BGP priorit
E. And verify network traffic is leveraging the DirectConnect connection.

Answer: D

NEW QUESTION 125
Your company hosts a social media website for storing and sharing documents. The web application allows user to upload large files while resuming and pausing the upload as needed. Currently, files are uploaded to your PHP front end backed by Elastic load Balancing and an autoscaling fileet of Amazon Elastic Compute Cloud (EC2) instances that scale upon average of bytes received (Networkln). After a file has been uploaded, it is copied to Amazon Simple Storage Service (S3). Amazon EC2 instances use an AWS Identity and Access Management (IAM) role that allows Amazon S3 uploads. Over the last six months, your user base and scale have increased significantly, forcing you to increase the Auto Scaling group’s Max parameter a few times. Your CFO is concerned about rising costs and has asked you to adjust the architecture where needed to better optimize costs.
Which architecture change could you introduce to reduce costs and still keep your web application secure and scalable?

A. Replace the Auto Scaling launch configuration to include c3.8xlarge instances; those instances can potentially yield a network throuthput of 10gbps.
B. Re-architect your ingest pattern, have the app authenticate against your identity provider, and use your identity provider as a broker fetching temporary AWS credentials from AWS Secure Token Service (GetFederationToken). Securely pass the credentials and S3 endpoint/prefix to your ap
C. Implement client-side logic to directly upload the file to Amazon S3 using the given credentials and S3 prefix.
D. Re-architect your ingest pattern, and move your web application instances into a VPC public subne
E. Attach a public IP address for each EC2 instance (using the Auto Scaling launch configuration settings). Use Amazon Route 53 Round Robin records set and HTTP health check to DNS load balance the apprequests; this approach will significantly reduce the cost by bypassing Elastic Load Balancing.
F. Re-architect your ingest pattern, have the app authenticate against your identity provider, and use your identity provider as a broker fetching temporary AWS credentials from AWS Secure Token Service (GetFederationToken). Securely pass the credentials and S3 endpoint/prefix to your ap
G. Implement client-side logic that used the S3 multipart upload API to directly upload the file to Amazon S3 using the given credentials and S3 prefix.

Answer: C

NEW QUESTION 129
You are migrating a legacy client-server application to AWS. The application responds to a specific DNS domain (e.g. www.examp|e.com) and has a 2-tier architecture, with multiple application sewers and a database sewer. Remote clients use TCP to connect to the application servers. The application servers need to know the IP address of the clients in order to function properly and are currently taking that information from the TCP socket. A Multi-AZ RDS MySQL instance will be used for the database. During the migration you can change the application code, but you have to file a change request.
How would you implement the architecture on AWS in order to maximize scalability and high availability?

A. File a change request to implement Alias Resource support in the applicatio
B. Use Route 53 Alias Resource Record to distribute load on two application servers in different Azs.
C. File a change request to implement Latency Based Routing support in the applicatio
D. Use Route 53 with Latency Based Routing enabled to distribute load on two application servers in different Azs.
E. File a change request to implement Cross-Zone support in the applicatio
F. Use an ELB with a TCP Listener and Cross-Zone Load Balancing enabled, two application servers in different AZs.
G. File a change request to implement Proxy Protocol support in the applicatio
H. Use an ELB with a TCP Listener and Proxy Protocol enabled to distribute load on two application servers in different Azs.

Answer: D

NEW QUESTION 133
A company is building a voting system for a popular TV show, viewers win watch the performances then visit the show's website to vote for their favorite performer. It is expected that in a short period of time after the show has finished the site will receive millions of visitors. The visitors will first login to the site using their Amazon.com credentials and then submit their vote. After the voting is completed the page will display the vote totals. The company needs to build the site such that can handle the rapid influx of traffic while maintaining good performance but also wants to keep costs to a minimum. Which of the design patterns below should they use?

A. Use CloudFront and an Elastic Load balancer in front of an auto-scaled set of web servers, the web servers will first call the Login With Amazon service to authenticate the user then process the users vote and store the result into a multi-AZ Relational Database Service instance.
B. Use CloudFront and the static website hosting feature of S3 with the Javascript SDK to call the Login With Amazon service to authenticate the user, use IAM Roles to gain permissions to a DynamoDB tableto store the users vote.
C. Use CloudFront and an Elastic Load Balancer in front of an auto-scaled set of web servers, the web servers will first call the Login with Amazon service to authenticate the user, the web servers will process the users vote and store the result into a DynamoDB table using IAM Roles for EC2 instances to gain permissions to the DynamoDB table.
D. Use CloudFront and an Elastic Load Balancer in front of an auto-scaled set of web servers, the web servers will first call the Login With Amazon service to authenticate the user, the web sewers win process the users vote and store the result into an SQS queue using IAM Roles for EC2 Instances to gain permissions to the SQS queu
E. A set of application sewers will then retrieve the items from the queue and store the result into a DynamoDB table.

Answer: D

NEW QUESTION 136
You are designing a connectMty solution between on-premises infrastructure and Amazon VPC. Your servers on-premises will be communicating with your VPC instances. You will be establishing IPSec tunnels over the Internet You will be using VPN gateways, and terminating the IPSec tunnels on AWS supported customer gateways.
Which of the following objectives would you achieve by implementing an IPSec tunnel as outlined above? Choose 4 answers

A. End-to-end protection of data in transit
B. End-to-end Identity authentication
C. Data encwption across the Internet
D. Protection of data in transit over the Internet
E. Peer identity authentication between VPN gateway and customer gateway
F. Data integrity protection across the Internet

Answer: CDEF

NEW QUESTION 138
You are responsible for a web application that consists of an Elastic Load Balancing (ELB) load balancer in front of an Auto Scaling group of Amazon Elastic Compute Cloud (EC2) instances. For a recent deployment of a new version of the application, a new Amazon Machine Image (AMI) was created, and the Auto Scaling group was updated with a new launch configuration that refers to this new AMI. During the deployment, you received complaints from users that the website was responding with errors. All instances passed the ELB health checks.
What should you do in order to avoid errors for future deployments? (Choose 2 answer)

A. Add an Elastic Load Balancing health check to the Auto Scaling grou
B. Set a short period for the health checks to operate as soon as possible in order to prevent premature registration of the instance to theload balancer.
C. Enable EC2 instance C|oudWatch alerts to change the launch configuration’s AMI to the previous on
D. Gradually terminate instances that are using the new AMI.
E. Set the Elastic Load Balancing health check configuration to target a part of the application that fully tests application health and returns an error if the tests fail.
F. Create a new launch configuration that refers to the new AMI, and associate it with the grou
G. Double the size of the group, wait for the new instances to become healthy, and reduce back to the original size.If new instances do not become healthy, associate the previous launch configuration.
H. Increase the Elastic Load Balancing Unhealthy Threshold to a higher value to prevent an unhealthy instance from going into service behind the load balancer.

Answer: CD

NEW QUESTION 140
You are running a successful multitier web application on AWS and your marketing department has asked you to add a reporting tier to the application. The reporting tier will aggregate and publish status reports every 30 minutes from user-generated information that is being stored in your web application s database. You are currently running a Multi-AZ RDS MySQL instance for the database tier. You also have implemented Elasticache as a database caching layer between the application tier and database tier. Please select the answer that will allow you to successfully implement the reporting tier with as little impact as possible to your database.

A. Continually send transaction logs from your master database to an S3 bucket and generate the reports off the S3 bucket using S3 byte range requests.
B. Generate the reports by querying the synchronously replicated standby RDS NIySQL instance maintained through Nlulti-AZ.
C. Launch a RDS Read Replica connected to your Multi AZ master database and generate reports by querying the Read Replica.
D. Generate the reports by querying the EIastiCache database caching tie

Answer: C

NEW QUESTION 144
Your company has recently extended its datacenter into a VPC on AWS to add burst computing capacity as needed Members of your Network Operations Center need to be able to go to the AWS Management Console and administer Amazon EC2 instances as necessary You don't want to create new IAM users for each NOC member and make those users sign in again to the AWS Management Console Which option below will meet the needs for your NOC members?

A. Use OAuth 2.0 to retrieve temporary AWS security credentials to enable your NOC members to sign in to the AWS Management Console.
B. Use web Identity Federation to retrieve AWS temporary security credentials to enable your NOC members to sign in to the AWS Management Console.
C. Use your on-premises SAML 2.0-compliant identity provider (IDP) to grant the NOC members federated access to the AWS Management Console via the AWS single sign-on (SSO) endpoint.
D. Use your on-premises SAML2.0-compliam identity provider (IDP) to retrieve temporary security credentials to enable NOC members to sign in to the AWS Management Console.

Answer: D

NEW QUESTION 146
You have an application running on an EC2 Instance which will allow users to download flies from a private S3 bucket using a pre-signed URL. Before generating the URL the application should verify the existence of the file in S3.
How should the application use AWS credentials to access the S3 bucket securely?

A. Use the AWS account access Keys the application retrieves the credentials from the source code of the application.
B. Create an IAM user for the application with permissions that allow list access to the S3 bucket launch the instance as the IANI user and retrieve the IAM user's credentials from the EC2 instance user data.
C. Create an IAM role for EC2 that allows list access to objects in the S3 bucke
D. Launch the instance with the role, and retrieve the roIe's credentials from the EC2 Instance metadata
E. Create an IAM user for the application with permissions that allow list access to the S3 bucke
F. The application retrieves the IAM user credentials from a temporary directory with permissions that allow read access only to the application user.

Answer: C

NEW QUESTION 149
You are developing a new mobile application and are considering storing user preferences in AWS.2w This would provide a more uniform cross-device experience to users using multiple mobile devices to access the application. The preference data for each user is estimated to be 50KB in size Additionally 5 million customers are expected to use the application on a regular basis. The solution needs to be
cost-effective, highly available, scalable and secure, how would you design a solution to meet the above requirements?

A. Setup an RDS MySQL instance in 2 availability zones to store the user preference dat
B. Deploy apublic facing application on a server in front of the database to manage security and access credentials
C. Setup a DynamoDB table with an item for each user having the necessary attributes to hold the user preference
D. The mobile application will query the user preferences directly from the DynamoDB tabl
E. Utilize ST
F. Web Identity Federation, and DynamoDB Fine Grained Access Control to authenticate and authorize access.
G. Setup an RDS MySQL instance with multiple read replicas in 2 availability zones to store the user preference data .The mobile application will query the user preferences from the read replica
H. Leverage the MySQL user management and access prMlege system to manage security and access credentials.
I. Store the user preference data in S3 Setup a DynamoDB table with an item for each user and an item attribute pointing to the user' S3 objec
J. The mobile application will retrieve the S3 URL from DynamoDB and then access the S3 object directly utilize STS, Web identity Federation, and S3 ACLs to authenticate and authorize access.

Answer: B

NEW QUESTION 153
A web-startup runs its very successful social news application on Amazon EC2 with an Elastic Load Balancer, an Auto-Scaling group of Java/Tomcat application-servers, and DynamoDB as data store. The main web-application best runs on m2 x large instances since it is highly memory- bound Each new deployment requires semi-automated creation and testing of a new AMI for the application servers which takes quite a while ana is therefore only done once per week.
Recently, a new chat feature has been implemented in nodejs and wails to be integrated in the architecture. First tests show that the new component is CPU bound Because the company has some experience with using Chef, they decided to streamline the deployment process and use AWS Ops Works as an application life cycle tool to simplify management of the application and reduce the deployment cycles.
What configuration in AWS Ops Works is necessary to integrate the new chat module in the most cost-efficient and filexible way?

A. Create one AWS OpsWorks stack, create one AWS Ops Works layer, create one custom recipe
B. Create one AWS OpsWorks stack create two AWS Ops Works layers, create one custom recipe
C. Create two AWS OpsWorks stacks create two AWS Ops Works layers, create one custom recipe
D. Create two AWS OpsWorks stacks create two AWS Ops Works layers, create two custom recipe

Answer: C

NEW QUESTION 154
Your application provides data transformation services. Files containing data to be transformed are first uploaded to Amazon S3 and then transformed by a fileet of spot EC2 instances. Files submitted by your premium customers must be transformed with the highest priority. How should you implement such a system?

A. Use a DynamoDB table with an attribute defining the priority leve

B. Transformation instances will scan the table for tasks, sorting the results by priority level.
C. Use Route 53 latency based-routing to send high priority tasks to the closest transformation instances.
D. Use two SQS queues, one for high priority messages, the other for default priorit
E. Transformation instances first poll the high priority queue; if there is no message, they poll the default priority queue.
F. Use a single SQS queu
G. Each message contains the priority leve
H. Transformation instances poll high-priority messages first.

Answer: C

NEW QUESTION 157
In AWS, which security aspects are the customer's responsibility? Choose 4 answers

A. Security Group and ACL (Access Control List) settings
B. Decommissioning storage devices
C. Patch management on the EC2 instance's operating system
D. Life-cycle management of IAM credentials
E. Controlling physical access to compute resources
F. Encryption of EBS (Elastic Block Storage) volumes

Answer: ACDF

NEW QUESTION 162
A web company is looking to implement an intrusion detection and prevention system into their deployed VPC. This platform should have the ability to scale to thousands of instances running inside of the VPC. How should they architect their solution to achieve these goals?

A. Configure an instance with monitoring software and the elastic network interface (ENI) set to promiscuous mode packet sniffing to see an traffic across the VPC.
B. Create a second VPC and route all traffic from the primary application VPC through the second VPC where the scalable virtualized IDS/IPS platform resides.
C. Configure sewers running in the VPC using the host-based 'route' commands to send all traffic through the platform to a scalable virtualized IDS/IPS.
D. Configure each host with an agent that collects all network traffic and sends that traffic to the IDS/IPS platform for inspection.

Answer: C

NEW QUESTION 164
You are designing Internet connectMty for your VPC. The Web sewers must be available on the Internet. The application must have a highly available architecture. Which alternatives should you consider? (Choose 2 answers)

A. Configure a NAT instance in your VPC Create a default route via the NAT instance and associate itwith all subnets Configure a DNS A record that points to the NAT instance public IP address.
B. Configure a C|oudFront distribution and configure the origin to point to the private IP addresses of your Web sewers Configure a Route53 CNAME record to your CloudFront distribution.
C. Place all your web servers behind ELB Configure a Route53 CNMIE to point to the ELB DNS name.
D. Assign EIPs to all web sewer
E. Configure a Route53 record set with all E|Ps, with health checks and DNS failover.
F. Configure ELB with an EIP Place all your Web servers behind ELB Configure a Route53 A record that points to the EIP.

Answer: CD

NEW QUESTION 168
The following policy can be attached to an IAM group. It lets an IAM user in that group access a "home directory" in AWS S3 that matches their user name using the console.

```
{
"Version": "2012-10-17",
"Statement": [
{
"Action": ["s3:*"], "Effect": "A||ow",
"Resource": ["arn:aws:s3::zbucket-name"], "Condition":{"StringLike":{"s3:prefix":["home/${aws:username}/*"]}}
}!
{
"Action":["s3:*"], "Effect":"AI|ow",
"Resource": ["arn:aws:s3:::bucket-name/home/${aws:username}/*"]
}
}
```

A. True
B. False

Answer: B

NEW QUESTION 170
The following are AWS Storage services? Choose 2 Answers

A. AWS Relational Database Service (AWS RDS)
B. AWS ElastiCache
C. AWS Glacier
D. AWS Import/Export

Answer: BD

NEW QUESTION 171

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